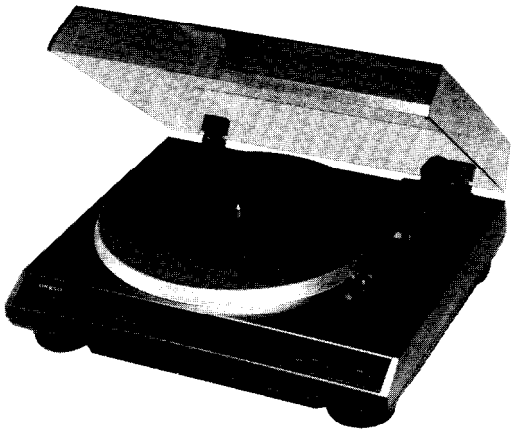
OM3256

ONKYO SERVICE MANUAL

AUTOMATIC RETURN TURNTABLE MODEL CP-1116A



UDN, UDC, UD	120V AC, 60Hz
UGV, UG	220V AC, 50Hz
UW	120 or 220V AC, 50/60Hz
UQA, UQB	240V AC, 50Hz

SAFETY-RELATED COMPONENT WARNING!!

COMPONENTS IDENTIFIED BY MARK ⚠ ON THE SCHEMATIC DIAGRAM AND IN THE PARTS LIST ARE CRITICAL FOR RISK OF FIRE AND ELECTRIC SHOCK. REPLACE THESE COMPONENTS WITH ONKYO PARTS WHOSE PARTS NUMBERS APPEAR AS SHOWN IN THIS MANUAL.

MAKE LEAKAGE-CURRENT OR RESISTANCE MEASUREMENTS TO DETERMINE THAT EXPOSED PARTS ARE ACCEPTABLY INSULATED FROM THE SUPPLY CIRCUIT BEFORE RETURNING THE APPLIANCE TO THE CUSTOMER.

SPECIFICATIONS

Type:	2-speed automatic-return turntable with cueing lever
Turntable Platter:	31cm (12-1/4") Aluminum diecast
Motor:	DC servo
Speeds:	33-1/3rpm, 45rpm
Wow & Flutter:	0.045% WRMS
Signal-to-Noise Ratio:	66dB (IEC-Y, DIN-B)
Tonearm:	Static balanced straight-type pipe arm
Effective Arm Length:	210mm (8-5/16")
Overhang:	13mm (1/2")
Maximum Tracking Error:	+4.5 degrees, −1 degree
Usable Cartridge Weight:	Min. 5.0g, Max. 9.0g
Power Supply:	AC 120V, 60Hz
Dimensions (W x H x D):	418mm x 132mm x 374mm 16-1/2" x 5-1/6" x 14-6/8"
Weight:	3.8kg (8.4lbs.)

Optional Recommended Headshell: SH-21F

In the interest of further product improvements, specifications are subject to change without notice.

ONKYO AUDIO COMPONENTS

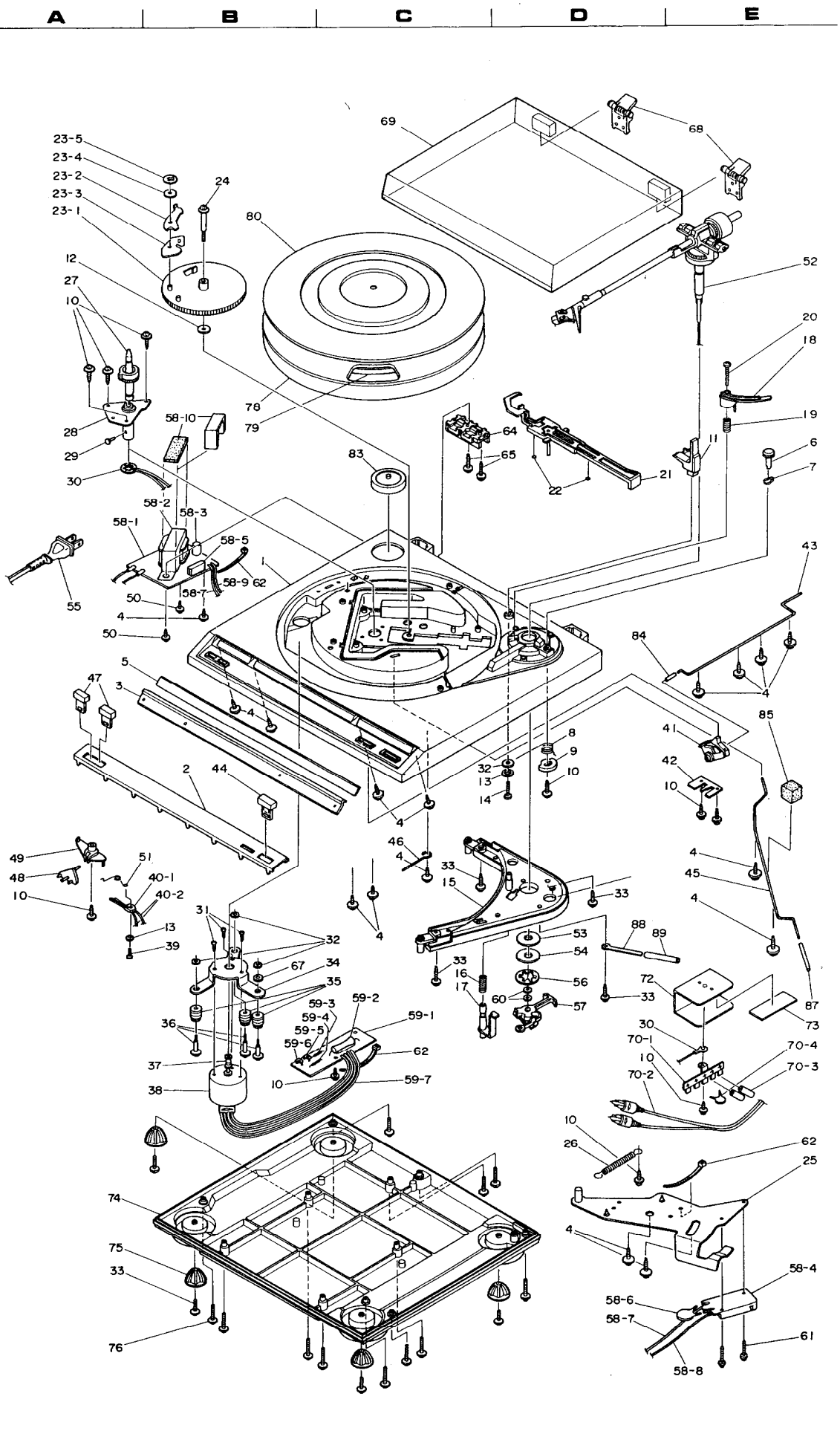
PARTS LIST

REF.NO.	PART NO.	DESCRIPTION
1	28110413	CABINET (B)
	28110414	CABINET (S)
2	27262435	PLATE (OPE) (B)
	27262445	PLATE (OPE) (S)
3	24509375	COVER (PLATE OPE) (B)
	24509292	COVER (PLATE OPE) (S)
4	801295	TAPPING SCREW W/WASHER
5	27262436	PLATE (BLACK)
6	24501571	KNOB AS (I.F.C.)
7	24506243	WAVE WASHER
8	24503131	SPRING (I.F.C.)
9	24504271	I.F.C. CAM
10	831430088	TAP-TIGHT SCREW 3TTW+8BBC
11	24509294	ARM REST AS
12	87613008	WASHER W3X8F
13	871430	SPRING WASHER SW-3 BC
14	834430258	TAP-TIGHT SCREW 3TTS+25BC
15	24509295	BASE (SUB)
16	24503145	SPRING (EV)
17	24506660	SHAFT (EL)
18	24504321	ELEVATION PLATE
19	24503144	SPRING
20	82143014	PAN-HEAD SCREW 3P+14FN BC
21	24506661	ACTUATING ARM
22	270555	STEEL BALL
23	24506662	MAIN GEAR AS 2
23-1	24503032	MAIN GEAR AS
23-2	24506663	CLUTCH
23-3	24506664	CLUTCH GUIDE
23-4	87613008	WASHER W3×8F
23-5	891030	STOP RING CS-3
24	24506537	SCREW
25	24506220	ACTUATING PLATE AS
26	24503146	SPRING (OPE)
27	24502163	PLATTER SHAFT
28	24502164	PLATTER SHAFT BEARING
29	24502165	PIN
30	24505179	LEAD AS (GND)
31	82142603	PAN HEAD SCREW 2.6P+3FBC
32	87613008	WASHER W3×8F
33	831130108	TAP-TIGHT SCREW 3TTW+10B
34	27141045	BRACKET (MOTOR)
35	24506331	CUSHION RUBBER
36	801358	SCREW
38	24502206	PHONO MOTOR AS (38+37+59)
		CONTROL PCB
		500Ω, SEMI-FIXDE, 33rpm.
		1KΩ, SEMI-FIXDE, 45rpm.
		3W47Ω, OXIDEFILM
39	834430128	TAP-TIGHT SCREW 3TTS+12BB
40	24504415	LEAF SWITCH
41	24603306	CUEING LEVER (B)
	24504401	CUEING LEVER (S)
42	24504402	HOLDER (LEVER)
43	24504416	QUE ROD
44	28322097	BUTTON (REJ) (B)
	24504404	BUTTON (REJ) (S)
45	24503135	SPRING (REJ)
46	24503136	SPRING (BUTTON)
47	28322098	BUTTON (SP) (B)
	24504405	BUTTON (SP) (B)
48	24504316	SPEED SELECTOR ARM
49	24504417	CAM
50	831130128	TAP-TIGHT SCREW 3TTW+12B
51	24503113	SPRING (CLICK)
52	24501528	TONE ARM
52A	24501321A	SCREW
52B	24501471	COUNTER WEIGHT
52C	24501354	HEAD SHELL (G/U)
52D	242975	OC-70M, CARTRIDGE (G/U)
52E	242976	DN-70ST, STYLUS (G/U)
52F	24501577	STYLUS PROTECTOR (G/U)
52G	24500067	CARTRIDGE SCREW 2.6×10 (G/U)
52H	24500079	CARTRIDGE WASHER (G/U)
52I	24501123	NUT (G/U)
53	24506546	WASHER FW10×22×6
54	24509300	RUBBER WASHER
⚠55	253099C	AC CORD (D)
	253099A	AC CORD (G/U)
56	891100	STOP RING CS-10
57	24509301	ACTUATING ARM AS
58	24502209	P.C.B AS (POWER) (D)
	24502211	P.C.B AS (POWER) (G)
	24502212	P.C.B AS (POWER) (U)
⚠58-2	2300176	NPT-948D (D)
	2300206	NPT-948G (G)
	2300208	NPT-948BP (U)
	2300207	NPT-948Q (Q)
	25065138	VOLTAGE SELECTOR SWITCH (U)
⚠58-4	24503023	MICRO SWITCH
⚠58-5	22380011	S1VB, DIODE
58-10	24506729	CUSHION 30X10X3t (D)
	24506731	CUSHION 94X20X1.2t (G/U)
60	8761501010	WASHER W5X10F
61	82142614	PAN-HEAD SCREW 2.6P+14FN
62	260208	SK BINDER
64	24506517	CORD HOLDER
65	831430168	TAP-TIGHT SCREW 3TTW+16B
67	24506730	WASHER 5.2×12×1.2t
68	28180080	HINGE (B)
	28180078	HINGE (S)
69	24509320	DUST COVER
70	24505180	LUG AS (5P) (D)
	24505181	LUG AS (5P) (G/U)
71	87313008	WASHER TOW-3
72	24506208A	SHIELD PLATE
73	261021	UL TAPE TUL-19
74	27170161	BOTTOM BOARD
75	27175043	LEG
76	834430168	TAP-TIGHT SCREW 3TTS+16BB
78	24502158	PLATTER
79	242129B	DRIVE BELT
80	24509323	PLATTER MAT (D)
	24509378	PLATTER MAT (G/U)
83	292093	45 RPM ADAPTER
84	75230	UL, TUBE
85	24509373	CUSHION
88	24506031	LUG

NOTE: THE COMPONENTS IDENTIFIED BY MARK ⚠ ARE CRITICAL FOR LISK OF FIRE AND ELECTRIC SHOCK. REPLACE ONLY WITH PARTS NUMBER SPECIFIED.

Note: (D) : Only 120V model
(G) : Only 220V model
(U) : Only Universal model
(B) : Only black model
(S) : Only Silver model
(Q) : Only 240V model

EXPLODED VIEW



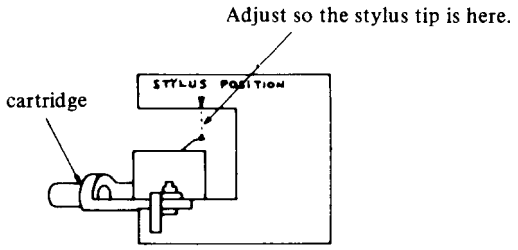
SERVICE PROCEDURES

Instruction resistance measurement

Connect the insulating-resistance tester between the plug of power supply cord and chassis.

Specifications: G/W models 500 V more than 10 MΩ

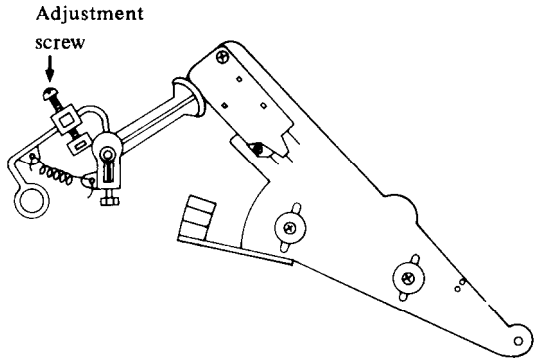
Use the included overhand gauge as shown below, placing the cartridge in the gauge and setting the location of the stylus tip as indicated.



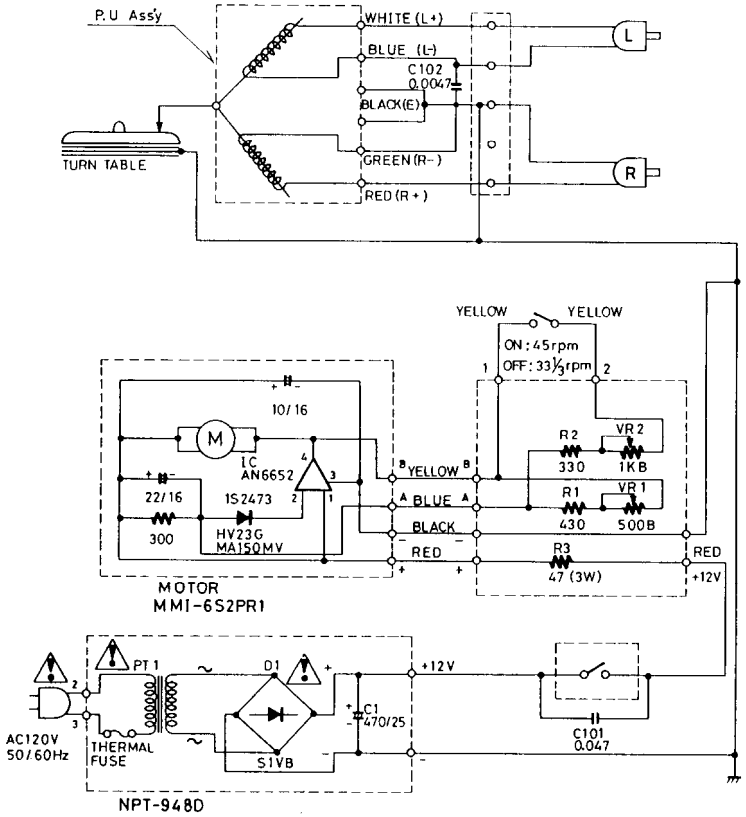
ADJUSTMENT PROCEDURES

Automatic shut-off position adjustment

Adjust the shut-off position with the fine adjustment screw. After the adjustment, apply lock-tite to the screw. To adjust the shut-off position for earlier, turn the screw coutner-clockwise. To adjust the shut-off position for later, turn the screw clockwise.

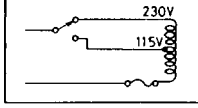


CONNECTION DIAGRAM



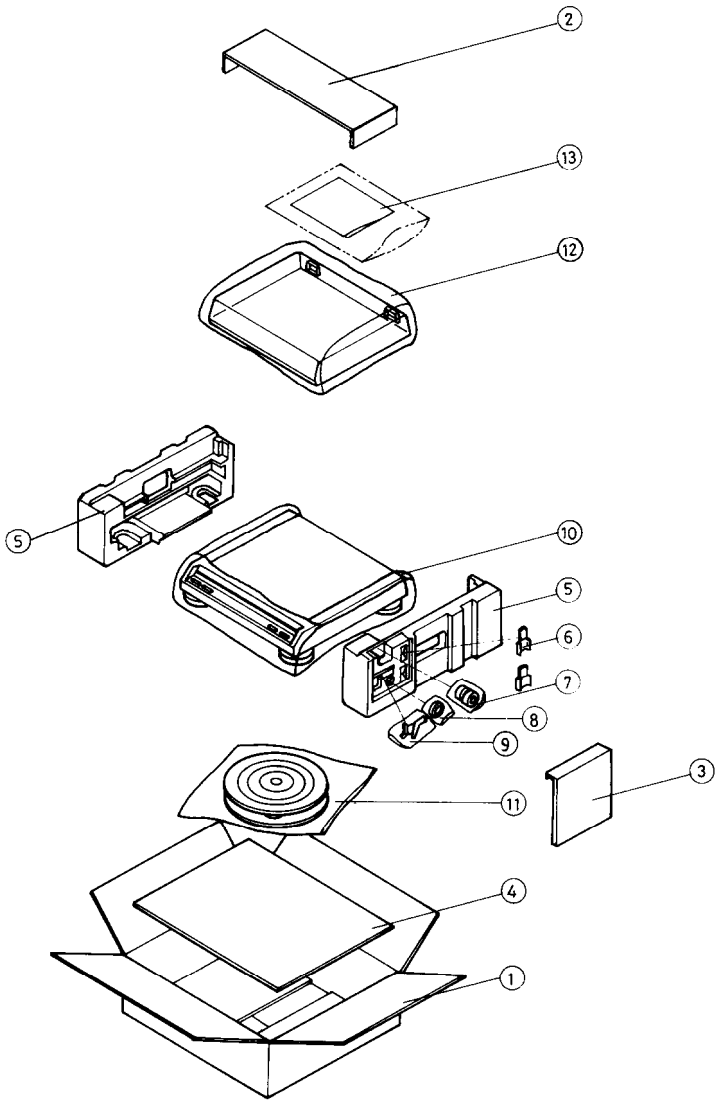
NOTES

POWER	PT1
AC120V 50/60Hz	NPT-948D
AC220V 50Hz	NPT-948G
AC240V 50Hz	NPT-948Q
AC110/120/220/240V 50/60Hz	NPT-948BP



- ALL RESISTORS ARE IN OHMS 1/4 WATT UNLESS OTHERWISE NOTED.
- ALL CAPASITORS ARE IN μF 50WV UNLESS OTHERWISE NOTED.
- ELECTOROLYTIC CAPACITORS(=⊕⊖) ARE IN μF/WV.
- VOLTAGE (MEASURED WITH V.T.V.M.) (NO INPUT SIGNAL).
- CIRCUIT IS SUBJECT TO CHANGE FOR IMPROVEMENT.

PACKING VIEW



REF.NO	PART NO.	DESCRIPTION
1	29051474	Master carton box (Black model)
	29051477	Master carton box (Silver model)
2	24509374	Pad sheet(UP)
3	24509372	Pad sheet
4	24509370	Pad Sheet(Bottom)
5	29090822	Pad(L)+Pad(R)
6	28180080	Hinge (Black model)
	28180078	Hinge (Silver model)
7	24501471	Main weight
8	292049A	45 rpm adaptor
9	24501330	Cartridge attachment parts ass'y
	24501354	Headshell (Only 120V model)
	29100002	70×120mm, Poly-vinyl bag for 7, 8 and 9
10	29095152-1	500X800, Protection sheet
11	24509323	T.T Mat
	24502158	Turntable platter
	29100046	370×470, Poly bag
12	24509320	Dust cover
	29100050	Protection sheet
13	Accessary bag complete	
	120V model	
	29341123	Instruction manual
	24509197	Overhang gauge
	29365019	Warranty card (Only USA model)
	29358002E	Sarvice station list (Only USA model)
	29100006A	250×350 Poly bag
	220V model	
	29341124	Instruction manual
	29341162	Instruction manual (I) (Only G model)
	29365020	Warranty card (Only West Germany model)
	29100094	Poly bag
	29100006A	250×350 Poly bag
	Universal model	
	29341124	Instruction manual
	29341162	Instruction manual (I)
	25055040	CVK-2, Conversion plug
	29100006A	250×350 Poly bag

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